PROPOSED AMENDMENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application: MAAS, Patrick J.	] Art Unit: 3683
Serial No: 10/595,330	] Confirmation No. 7603
Filed: April 10, 2006	] Examiner: Melody M. Burch

For: Double Spring Function Upholstered Furniture Spring Assemblies

LETTER

Examiner Melody M. Burch
UNITED STATES PATENT AND TRADEMARK OFFICE
Art Unit 3683
Alexandria VA 22313-1450

VIA FACSIMILE TO 571.273.7114

Dear Examiner Burch:

Thank you for scheduling a telephone interview for Tuesday, February 22, 2011 at 10:15 Eastern time.

Accompanying this letter as an Exhibit are some claims amendments that, with your agreement, I propose discussing.

Respectfully Submitted,

David C. Brezina

Dated: February 16, 2011

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Application Serial No. 10/595,330
Exhibit

PATENT
Docket: CU-07455

PROPOSED AMENDMENTS

1. (Currently amended) A seat spring assembly for a seat base for supporting a sitting load comprising:

a frame having a first and a second frame end with first and second sides connected to the first and second transverse frame ends;

a plurality of flat leaf springs having leaf spring first ends connected to the first frame end and leaf spring second ends connected to the second frame end;

each leaf spring having one V arch adjacent the leaf spring first end and one W arch adjacent the leaf spring second end;

said V arch being oriented on a first vertical axis so that it opens upwardly and said W arch being formed in two segments, each segment being oriented on a second and third vertical axis so that said W arch opens upwardly;

each leaf spring has a substantially flat center portion extending longitudinally and aligned horizontally to define a seating support surface upon which said load is borne;

said V arch and said W arch flexing in response to said sitting load wherein said load is substantially aligned with said first, second and third vertical axes;

a cross piece, said cross piece spanning and substantially perpendicularly interconnecting said leaf spring second ends, said leaf spring second ends being attached to said cross piece so that said flat leaf springs are supported solely at said first and second ends; and

a plurality of coil springs, said coil springs connecting said cross piece to said second frame end to transmit loads from said interconnected leaf springs through said coil springs to said second frame end.

11. (Currently amended) A seat spring assembly for a seat base comprising:
a frame having a first and a second frame end with first and second sides connected to the first and second transverse frame ends;
a plurality of flat leaf springs having leaf spring first ends connected to the first frame end and leaf spring second ends connected to the second frame end;
each leaf spring having one V or W arch adjacent the leaf spring first or second end;
each leaf spring has a substantially flat center portion extending longitudinally and aligned horizontally to define a seating support surface;
a cross piece, said cross piece spanning and interconnecting said leaf spring second ends, said leaf spring second ends being attached to said cross piece; and
a plurality of coil springs, said coil springs connecting said cross piece to said second frame end to transmit loads from said leaf spring through said coil spring and second cross piece to said second frame end;
the leaf spring has said substantially flat portion bowed and extending between the V and W arches;
there are 3-6 leaf springs for each seating position and a helper spring is attached to at least two of every 4 leaf springs, said helper spring having a fixed

end and a free end, with a spring body therebetween, and being attached at [[one]] a fixed helper spring end between the first leaf spring end and the first frame end, and the helper spring [[other]] free end projecting below its respective leaf spring in a cantilevered fashion and extending for a length less than the length of the leaf springk said helper spring providing additional resilience when saidbody contacts said leaf spring.

12. (Currently amended) A seat spring assembly for a seat base adapted to support a sitting load comprising:

a frame having a first and a second frame end with first and second sides connected to the first and second transverse frame ends;

a plurality of flat leaf springs having leaf spring first ends connected to the first frame end and leaf spring second ends connected to the second frame end, said leaf springs having top and bottom surfaces and first and second side edges;

each leaf spring having one V arch adjacent and spaced inwardly from the leaf spring first end, with the V opening upwardly, and one W arch adjacent and spaced inwardly from the leaf spring second end, with the W opening upwardly, wherein the top and bottom surfaces remain substantially parallel to one another and the side edges remain substantially parallel to one another in the V arch and W arch and the spring flexes responsive to the sitting load whereby the V arch and W arch tend to open responsive to the load and close as the load is released and said flat portion flexes responsive to the load;

each leaf spring has a substantially flat center portion extending longitudinally between the V arch and W arch and aligned horizontally to define a seating support surface;

a cross piece, said cross piece spanning and substantially perpendicularly interconnecting said leaf spring second ends, said leaf spring second ends being attached to said cross piece; and

a plurality of coil springs, said coil springs connecting said cross piece to said second frame end to transmit loads from said interconnected leaf springs through said coil springs to said second frame end.